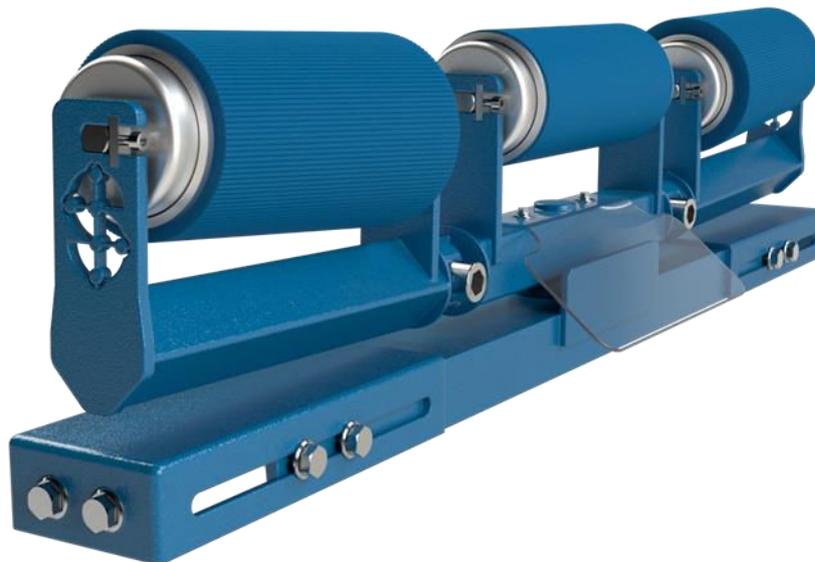


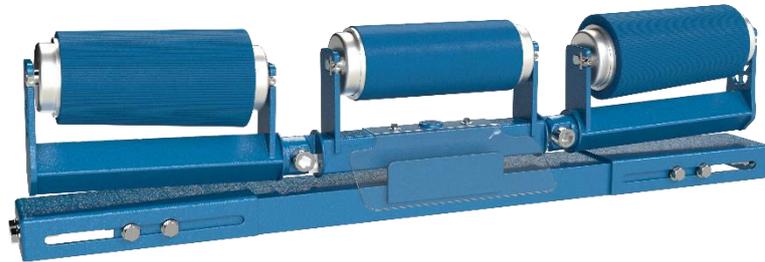
## MANUZENT

### ASSEMBLY INSTRUCTIONS

manuzent – Type „NOVUM  
500 – 1,800 mm belt width



## DESCRIPTION



The manuzent NOVUM is a belt centring station, which ensures that conveyor belts runs completely straight.

It is used in conveyor systems whose conveyor belts tend to off-track running.

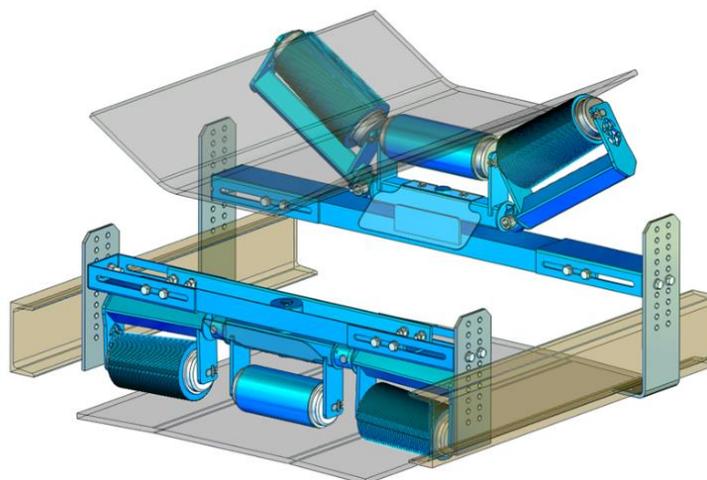
The conveyor belt is guided by the inclined position of the pulley seat. The inclined position of the pulley seat is triggered by the conical shape of the outer rollers in the event of off-centre running.

The swivelling pulley seat operates on a support structure which is telescopic across the system construction width.

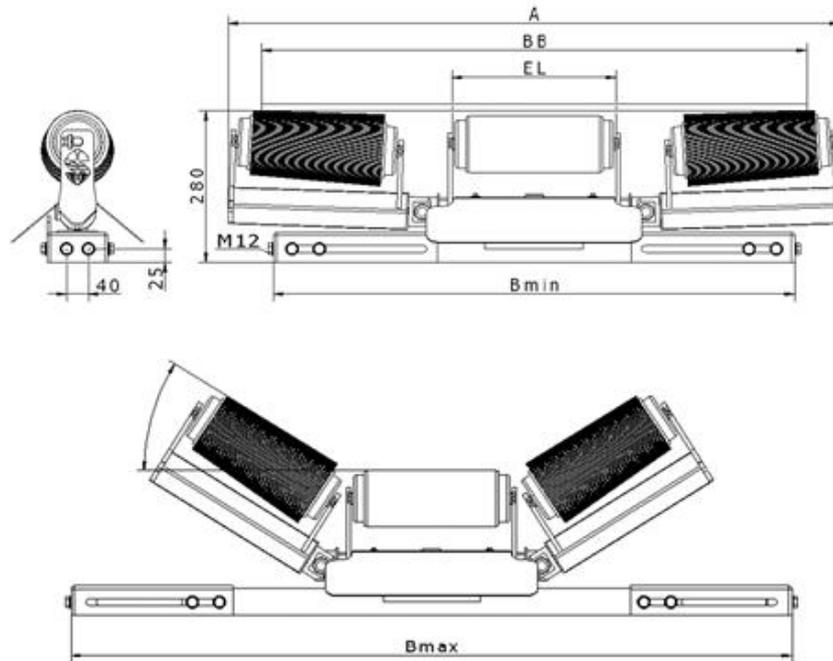
- Mounting brackets with mounting holes arrangement for adjustment of the optimum pressure force between the conveyor belt and the centring station are included in the scope of delivery.

Manuzent NOVUM belt centring stations can be used troughed in the upper belt and straight in the lower belt.

In addition, a suspended arrangement with contact to the belt running side is possible for the lower belt.



## DIMENSIONS AND WEIGHTS



Belt width Lower belt	Belt width Upper belt	A	Installation width		Troughing $\lambda^\circ$	Insert dimension		Weight/kg
			Bmin	Bmax		conical	zylinderisch	
500	---	666	690	790	---	196	169	29.0
650	500	822	685	934	30	196	169	35.4
800	650	972	760	1.140	30	246	246	39.5
1.000	800	1.122	960	1.340	30	296	296	44.5
1.200	1.000	1.332	1.160	1.540	30	366	366	50.9
1.400	1.200	1.542	1.360	1.740	30	436	436	56.5
1.600	1.400	1.751	1.560	1.940	30	506	506	62.2
1.800	1.600	1.961	1.760	2.140	30	576	576	67.9

All linear dimensions in mm

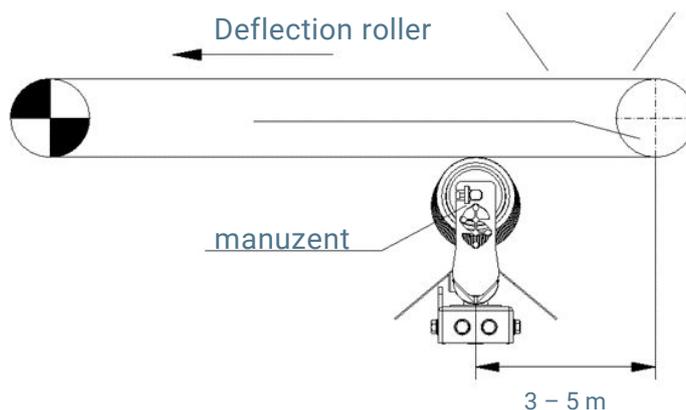
## POSITIONING

Manuzent NOVUM belt centring stations are used where the belt off-centre running is at its greatest. Belt off-centre running is often recognizable by signs of wear of the conveyor belt system construction components.



• These are appropriate positions in belt conveyors with large axle spacing.

To reach the belt run with the deflection drum in the upper belt and into the task area, it makes sense to use manuzent NOVUM 3 - 5 m in front of the deflection in the lower run.



Manuzent NOVUM belt centring stations can be used in the lower and upper belt, as well as in reverse operation.

Manuzent NOVUM can be installed on the load bearing side as well as on the running side of the conveyor belt.

## BELT TROUGHING ANGLE

Manuzent NOVUM belt centring stations can be used flat (without troughing for the lower belt) or with troughing.

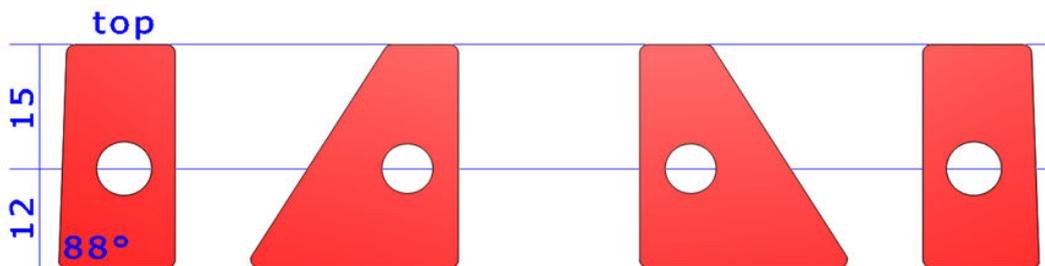
However, this is not possible with one and the same centring station (see table p. 3).

Therefore, the user has to know, whether he wants to use the device in the upper or lower belt before placing the order.

Manuzent NOVUM for the upper belt is preassembled with a troughing angle of 30°.

A troughing angle of 30° is suitable in most cases also for smaller troughing angles. Larger troughing angles can be realized upon request.

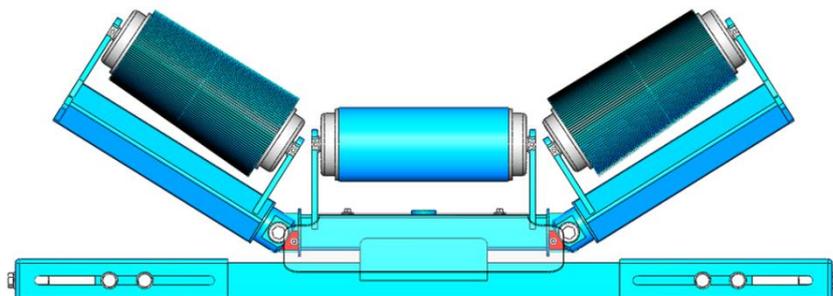
Angle inlays are available for the adjustment of the troughing angles. Inlays also exist for the lower belt.



Lower belt

30°- troughing

The inlays are screwed between the roll holders.

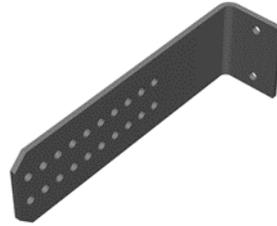


When ordering a manuzent NOVUM for the upper belt, 30° inlays are preassembled at the factory.

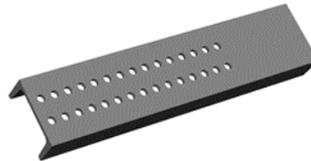
## BRACKETS

To attach the manuzent NOVUM to the system construction, brackets are available as accessories.

For belt widths up to 800 mm, these are a pair of sheet metal holders with mounting holes arrangement.

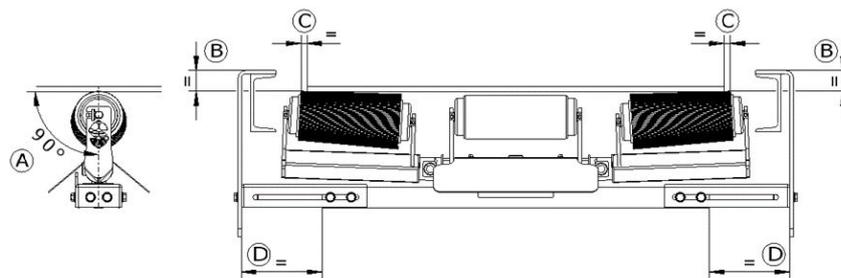


For belt widths from 1000 mm, a pair of U-profiles with mounting holes arrangement is delivered.



The mounting holes arrangements enable the adjustment of different pressure forces between the belt and the centring station.

## MOUNTING



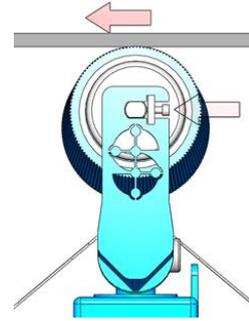
When mounting the manuzent NOVUM, it should be noted

- > that the manuzent is attached with an angle of 90° to the belt (A).
- > that the adjustment height (and thus the pressure forces) is equal on both sides (B).
- > that the manuzent is attached centred to the belt (C), or to the system construction (D).

## RUNNING DIRECTION

The manuzent NOVUM is to be arranged to the belt running direction in such a way that the belt pushes the rollers of the manuzent into its brackets.

In the reverse operation the manuzent is as described attached in the main running direction of the belt.



## SETTING THE PRESSURE FORCE

After mounting the manuzent NOVUM, the belt lays on the rollers of the manuzent.

The adjacent support carrier roller stations or lower belt carrier rollers also have contact to the conveyor belt.

## TEST RUN AND COMMISSIONING

The following must be checked beforehand, and as the circumstances require, remedied:

- > Inspect conveyor belt for surface and edge damage and, if such exist, they must be repaired. Special attention must be paid to belt connections!
- > Correct any off-track running of the conveyor belt.
- > Inspect the drive drum of the conveyor system for baking-on or defective rubber lining.
- > Check conveyor belt tension and correct if necessary.
- > Check mounting screws or welding seams of the mounting brackets on the conveyor system and the tightness of all screws.
- > Clean mounting location, pay special attention to tools that possibly has been left behind.

Once these points are checked, a first test run can occur.

## BELT CENTRING EFFECT

During the test run, the pulley seat of the manuzent NOVUM can be swivelled.

If the belt runs clear, the tension between the manuzent and the conveyor belt is sufficient.

If the conveyor belt does not or only responds little to the swivel of the pulley seat, the pretension can be increased by adjusting the manuzent NOVUM by one or two pairs of holes.

## IMPORTANT

When swivelling the pulley seat for function testing, do not reach with the hands in the running conveyor system!

Instead, appropriate tools are to be used.

## REPLACEABLE ROLLERS

The friction coatings of the rollers for the manuzent belt centring stations of the type NOVUM are made from a very low-wear rubber compound or optionally for severe usage conditions from wear-resistant polyurethane.

Should wear of the coatings nevertheless occur, it will manifest itself mostly through a deformation of the conical roller linings. In such case they typically take on a concave shape, which negatively affects the guide behaviour of the manuzent. The respective rollers are to be replaced.

Replacement rollers can be ordered from Stricker Rubber Technology.

For this purpose, the corresponding part numbers can be taken from the table.

Belt width, lower belt BW/mm	Belt width Upper belt BB/mm	Insert dimension EL/mm	Part number			
			conical PUR	cylindrical PUR	conical rubber	cylindrical rubber
500	---	196	17961	17951	17806-S	17815
650	500	196	17961	17951	17806-S	17815
800	650	246	17962	17952	17808-S	17816
1,000	800	296	17963	17953	17809-S	17817
1,200	1,000	366	17964	17954	17810-S	17818
1,400	1,200	436	17965	17955	17811-S	17819
1,600	1,400	506	17966	17956	17812	17820
1,800	1,600	576	17967	17957	17813	17821